

AMA CHESER

OUR SIXTY SECOND YEAR

Art Schultz W9BR
Editor

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Publisher

MEETINGS : 2nd and 4th. Fridays each Month. Newsletter #8
U. C. Missions Bldg. Martin Rogers Hall. June 1977
222 S. Downey Ave.

Meeting June 10th. 1977. Annual Homebrew Night. Dust off your pet projects and bring them in for judging.

HOME BREW RULES

1. Anyone can enter, You don't have to be a IRC member.
2. Two Winners, Junior and Senior class.
3. Entry in one class only.
4. 5 minute project presentation.
5. Judging by popular vote.
6. prize to winner of each class.
7. No Kit projects allowed.
8. Projects can be built at anytime in the past.

PROGRAM REVIEW. May 13, 1977. Approx 55 members and guests heard Art Schultz, W9BR present a lecture-demo on antennas. The simplest antenna is the dipole since it can be cut to resonant length from tables of formula, can be easily fed with coax and radiates broadside. There are many different types of antennas, the more complex ones being the log-periodic which follow a complicated mathematical formula and are tricky to tune and adjust for maximum efficiency. By means of field strength meters and absorption field indicators the response of a beam such as a Yagi was demonstrated. Effects of improper element spacing was shown along with effects of mismatch and the use of the gamma matching system provided an easily adjusted antenna, getting the SWR down to 1:1 with a simple capacitor adjustment. Front to back fields were shown, with very little energy being radiated off the back or reflector end of the beam. The T tuner was also demonstrated. Art also developed several well known formulas used in antenna design, showing how they were originally derived from mechanical considerations. He also showed an easy method of calculating how much to change the antenna length in order to get it on a desired freq., eliminating a lot of cut and try work taking down the ant. etc.

GUEST NIGHT Members of the Red Cross radio club as well as hams living on the East side of town were invited to the May 13th meeting. A goodly turnout of visitors was had with several new faces joining the membership. As an incentive, a coupon was sent each guest which were used in making a drawing for a door prize. The prize, a multimeter, was won by guest William Bunting, WB9ZOV.

PROGRAM REVIEW May 27, 1977. This was a scheduled business meeting plus a Bell Tel Movie covering wave motion and coupling between unlike systems. The business meeting was conducted by VP. Ron Cooper since our prexy was at home busy installing a water pump. The main agenda was a discussion and voting on the proposed Mike Williams amendment to our IRC Constitution. Art W9BR spoke briefly about the changes in the complexion of Amateur radio from the 1930's when the original Constitution was written and adopted, to our present needs for survival in a highly competitive environment. Members then voted by secret ballot with 25 voting for and one against.

Ron Williams moved that the May 27th meeting be held open until midnight of Monday 27th of June 1977 in order to obtain additional votes from members to attain the 18 additional votes needed to adopt the amendment. The meeting was followed by another film put out by ARRL to show how CB and Amateur radio differ. The movies were shown on the Club's new RCA 16mm. projector with sound, traded the Club by Gene VanSickle, W9KJF for a life Membership in the Club.

FIELD DAY The IRC in conjunction with the IUPUI radio club W9PU, will participate in Field Day activities at the Carender Ranch (WB9LID's QTH) There is enclosed a detailed map, showing the Field Day site. If you have equipment that can be used during field day and are available as an operator. We urge you to attend the June 10th and 24th IRC meetings to get full details. Operators are urgently needed.

ODDS AND ENDS Congrats to Ron Cooper, WB9DKL on the occasion of his graduation from IUPUI and attaining the degree of Electrical Engineering Technology Bachelor of Science

SICK BAY It was reported that Byron Fortner, W9FYM was in the hospital undergoing some necessary surgery and is recovering nicely. The club passed around a Get Well card into which we all diffused our wit and wishes for a quick recovery.

DX VISITOR Toni Piccolo, I8PYH of Naples Italy, is now employed as business manager of Sam's Subway in Indy and is planning on getting a state-side call and joining the club. Tony told us that Italy and USA do not have a reciprocal licensing agreement therefore he will drop his home call and take the novice test. The code test was administered Friday night by Bill Lueth, W9AI. The applicant passing.

Mike Williams, K9QHO our Pres. took a two week vacation in May to the Western States riding on his motorcycle.

Art Schultz, W9BR has his 4 element Quad back up on top the Stick. It was down about two months, badly damaged by high winds blowing thru his Hickory Forest on the NW side of town. It is a tri-band job and works very well when hooked to a 2 meter rig. Art isn't sure which coil is doing the radiating and theorizes that they all must be doing something because of the fine performance on this band.

STATE FAIR The club was planning to have a station on the air thru the State Fair this year but was unable to complete its plans. Instead, there will be a week long Hobby Fair in Indy sometime in the fall where the club plans to operate a CW. Low Freq station in addition to 2 meters. The purpose being to show the Public what Ham Radio is and how it differs from CB This will be a valuable Public Relations effort and is much needed with all our competition and misunderstandings.

Things are improving rapidly on the higher freqs now that we are starting up the slope of the new sun spot cycle. 20 meters is open to Europe all day and Asia both in the morning and evening late into the night. 15 meters is open during the day but 10 meters is still spotty and unpredictable. The new cycle should peak out in 1981 with very high sun-spot number thus the bands should produce fantastic DX for quite a spell according to the Zurich Observatory.

NOTE The two meeting during June will be held in the Martin-Rogers Hall instead of the large auditorium. This is the old meeting room and the entrance on the North side of the building should be used